

## ABSTRACT

The present invention relates to canine TAg1 proteins; to canine TAg1 nucleic acid molecules, including those that encode such TAg1 proteins; to antibodies raised against such TAg1 proteins; and to compounds that inhibit TAg1 activity. The present invention also includes methods to obtain such proteins, nucleic acid molecules, antibodies, and inhibitory compounds. Also included in the present invention are compositions and methods for detecting the presence of TAg1 protein or anti-TAg1 antibodies in an animal. The present invention also includes therapeutic compositions comprising such proteins, nucleic acid molecules, antibodies and/or inhibitory compounds as well as the use of such therapeutic compositions to protect animals from disease.